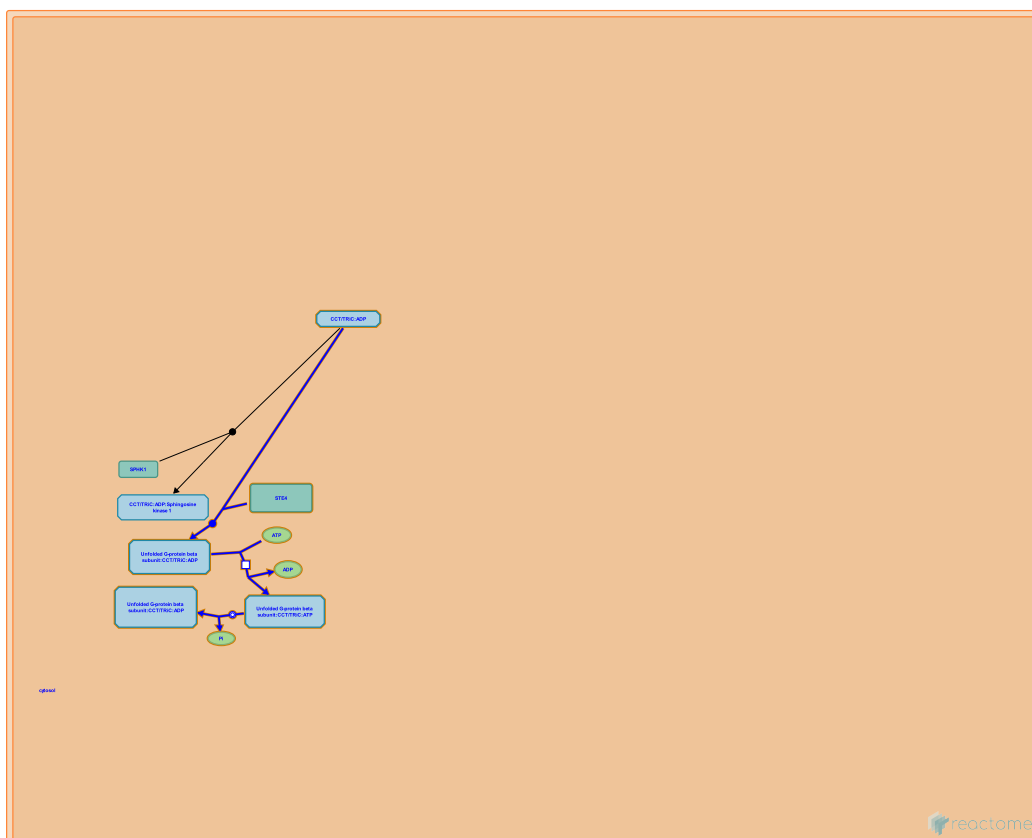


Cooperation of PDCL (PhLP1) and TRiC/CCT in G-protein beta folding



European Bioinformatics Institute, New York University Langone Medical Center, Ontario Institute for Cancer Research, Oregon Health and Science University.

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This is just an excerpt of a full-length report for this pathway. To access the complete report, please download it at the [Reactome Textbook](#).

06/05/2024

Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

- Fabregat, A., Sidiropoulos, K., Viteri, G., Forner, O., Marin-Garcia, P., Arnau, V. et al. (2017). Reactome pathway analysis: a high-performance in-memory approach. *BMC bioinformatics*, 18, 142. [↗](#)
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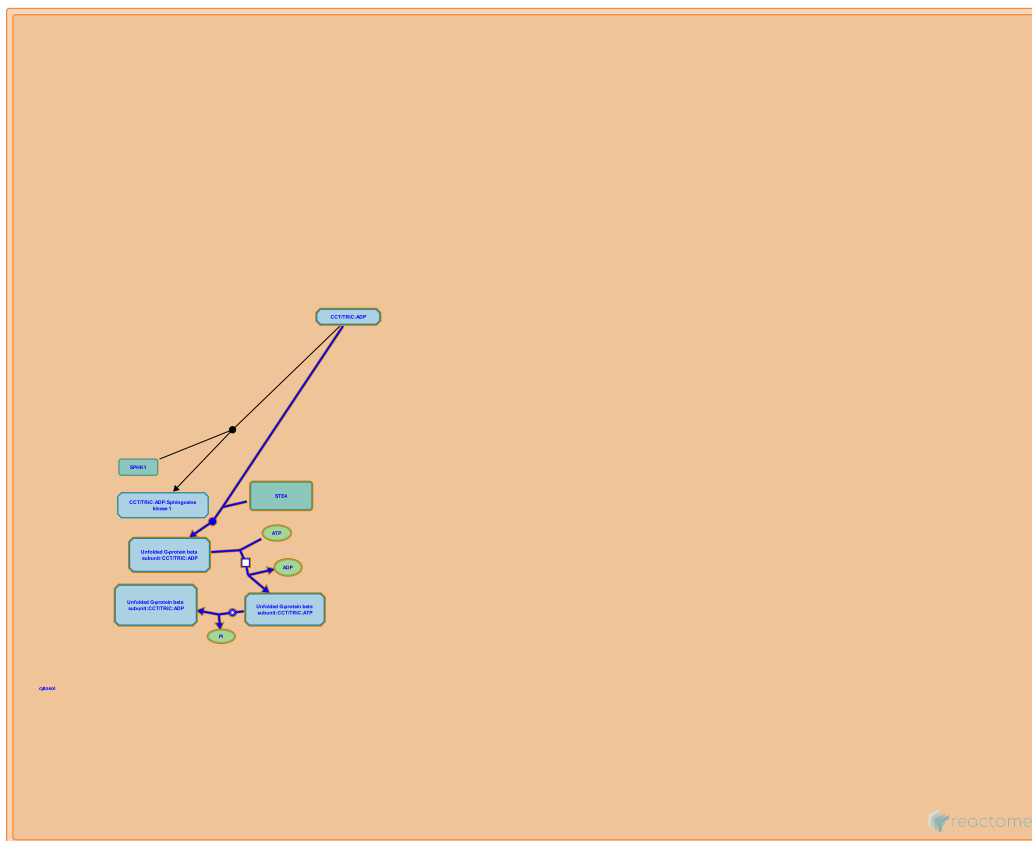
Reactome database release: 88

This document contains 1 pathway and 3 reactions ([see Table of Contents](#))

Cooperation of PDCL (PhLP1) and TRiC/CCT in G-protein beta folding ↗

Stable identifier: R-SCE-6814122

Inferred from: Cooperation of PDCL (PhLP1) and TRiC/CCT in G-protein beta folding (Homo sapiens)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](http://www.pantherdb.org/about.jsp) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

TRiC/CCT binds unfolded G-protein beta subunit ↗

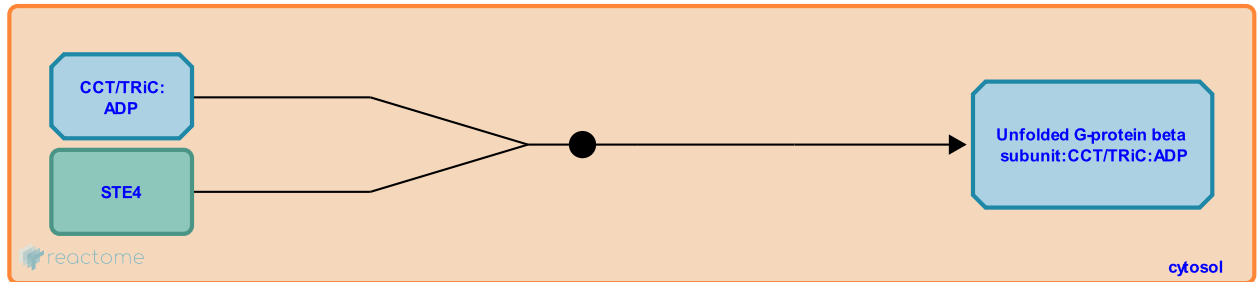
Location: Cooperation of PDCL (PhLP1) and TRiC/CCT in G-protein beta folding

Stable identifier: R-SCE-6814119

Type: binding

Compartments: cytosol

Inferred from: TRiC/CCT binds unfolded G-protein beta subunit (Homo sapiens)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](#) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

Followed by: ATP binds G-protein beta associated TRiC/CCT

ATP binds G-protein beta associated TRiC/CCT ↗

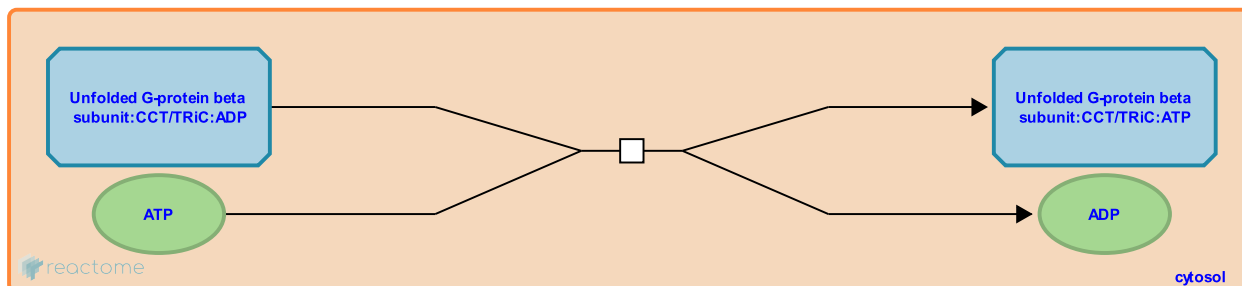
Location: Cooperation of PDCL (PhLP1) and TRiC/CCT in G-protein beta folding

Stable identifier: R-SCE-6814124

Type: transition

Compartments: cytosol

Inferred from: ATP binds G-protein beta associated TRiC/CCT (Homo sapiens)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](#) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

Preceded by: TRiC/CCT binds unfolded G-protein beta subunit

Followed by: ATP hydrolysis promotes folding of G-protein beta by TRiC/CCT

ATP hydrolysis promotes folding of G-protein beta by TRiC/CCT ↗

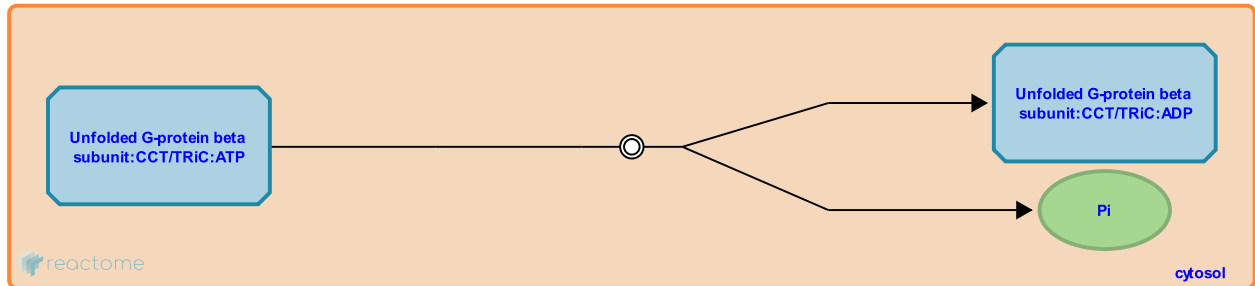
Location: Cooperation of PDCL (PhLP1) and TRiC/CCT in G-protein beta folding

Stable identifier: R-SCE-6814120

Type: dissociation

Compartments: cytosol

Inferred from: ATP hydrolysis promotes folding of G-protein beta by TRiC/CCT (Homo sapiens)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](#) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

Preceded by: ATP binds G-protein beta associated TRiC/CCT

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